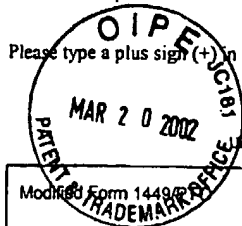


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Modified Form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/976,782
	Filing Date	October 12, 2001
	First Named Inventor	Grosse
	Group Art Unit	1645
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	21402-157

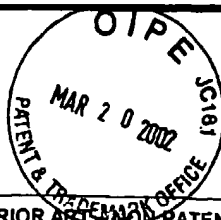
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U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	Translation No	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
BF	C1	Alderborn, et al. (2000). "Determination of single-nucleotide polymorphisms by real-time pyrophosphate DNA sequencing." <i>Genome Res</i> 10(8): 1249-58.
	C2	Armstrong, et al. (1998). "Spatial distribution of diffuse, primitive, and classic amyloid-beta deposits and blood vessels in the upper laminae of the frontal cortex in Alzheimer disease." <i>Alzheimer Dis Assoc Disord</i> 12(4): 378-83.
	C3	Avraham, et al. (1995). "Structural and functional studies of the intracellular tyrosine kinase MATK gene and its translated product." <i>J Biol Chem</i> 270(4): 1833-42.
	C4	Baguley, et al. (1993). "Serotonin involvement in the antitumour and host effects of flavone-8- acetic acid and 5,6-dimethylxanthenone-4-acetic acid." <i>Cancer Chemother Pharmacol</i> 33(1): 77-81.
	C5	Barletta, et al. (1990). "Subchromosomal localization of two human cytokeratin genes (KRT4 and KRT15) by in situ hybridization." <i>Cytogenet Cell Genet</i> 54(3-4): 148-50.
	C6	Bennett, et al. (1994). "Identification and characterization of a novel tyrosine kinase from megakaryocytes." <i>J Biol Chem</i> 269(2): 1068-74.
	C7	Brown, et al. (2000). "Cerebrovascular pathology in Alzheimer's disease and leukoaraiosis." <i>Ann N Y Acad Sci</i> 903: 39-45.
	C8	D'Amato, et al. (2000). "Seizures induce widespread upregulation of cystatin B, the gene mutated in progressive myoclonus epilepsy, in rat forebrain neurons." <i>Eur J Neurosci</i> 12(5): 1687-95.
	C9	Deak, et al. (1997). "Primary structure and expression of matrilin-2, the closest relative of cartilage matrix protein within the von Willebrand factor type A-like module superfamily." <i>J Biol Chem</i> 272(14): 9268-74.
	C10	Derry, et al. (2000). "Sik (BRK) phosphorylates Sam68 in the nucleus and negatively regulates its RNA binding ability." <i>Mol Cell Biol</i> 20(16): 6114-26.
	C11	Drebin, et al. (1995). "Molecular cloning and chromosomal localization of the human homologue of a B-lymphocyte specific protein tyrosine kinase (blk)." <i>Oncogene</i> 10(3): 477-86.
	C12	Dymecki, et al. (1990). "Specific expression of a tyrosine kinase gene, blk, in B lymphoid cells." <i>Science</i> 247(4940): 332-6.
	C13	Fuchs (1988). "Keratins as biochemical markers of epithelial differentiation." <i>Trends Genet</i> 4(10): 277-81.
BF	C14	Geisert, et al. (1992). "A CNS specific proteoglycan associated with astrocytes in rat optic nerve." <i>Brain Res</i> 571(1): 165-8.



OTHER PRIOR ART AND NON-PATENT LITERATURE DOCUMENTS

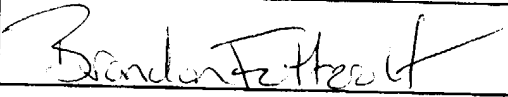
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BF	C15	GenBank Accession Number: A56040 (02-JUN-2000).
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	C25	GenBank Accession Number: U97107 (19-MAR-1998).
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	C27	GenBank Accession Number: X07695 (13-JUL-1995).
	C28	GenBank Accession Number: X69867 (26-MAY-1993).
	C29	Islam, et al. (1995). "Molecular cloning, characterization, and chromosomal localization of a human lymphoid tyrosine kinase related to murine Blk." <i>J Immunol</i> 154(3): 1265-72.
	C30	Jay, et al. (1997). "Isolation and regional mapping of cDNAs expressed during early human development." <i>Genomics</i> 39(1): 104-8.
	C31	Kamlati, et al. (1996). "Brk, a breast tumor-derived non-receptor protein-tyrosine kinase, sensitizes mammary epithelial cells to epidermal growth factor." <i>J Biol Chem</i> 271(48): 30956-63.
	C32	Klages, et al. (1994). "Ctk: a protein-tyrosine kinase related to Csk that defines an enzyme family." <i>Proc Natl Acad Sci USA</i> 91(7): 2597-601.
	C33	Korge, et al. (1990). "Effect of retinoids on hyperproliferation-associated keratins K6 and K16 in cultured human keratinocytes: a quantitative analysis." <i>J Invest Dermatol</i> 95(4): 450-5.
	C34	Kozak, et al. (1991). "Genetic mapping of the gene for a novel tyrosine kinase, Blk, to mouse chromosome 14." <i>Genomics</i> 9(4): 762-4.
	C35	Leake, et al. (2000). "Brain matrix metalloproteinase 1 levels are elevated in Alzheimer's disease." <i>Neurosci Lett</i> 291(3): 201-3.
	C36	Merrick, et al. (1995). "Glial cells of the lamprey nervous system contain keratin-like proteins." <i>J Comp Neurol</i> 355(2): 199-210.
	C37	Mischke and Wild (1987). "Polymorphic keratins in human epidermis." <i>J Invest Dermatol</i> 88(2): 191-7.
	C38	Mischke, et al. (1990). "Allele frequencies and segregation of human polymorphic keratins K4 and K5." <i>Am J Hum Genet</i> 46(3): 548-52.
	C39	Mitchell, et al. (1994). "Cloning and characterisation of cDNAs encoding a novel non-receptor tyrosine kinase, brk, expressed in human breast tumours." <i>Oncogene</i> 9(8): 2383-90.
	C40	Pennacchio, et al. (1998). "Progressive ataxia, myoclonic epilepsy and cerebellar apoptosis in cystatin B-deficient mice." <i>Nat Genet</i> 20(3): 251-8.
	C41	Robson and Geisert, Jr. (1994). "Expression of a keratin sulfate proteoglycan during development of the dorsal lateral geniculate nucleus in the ferret." <i>J Comp Neurol</i> 340(3): 349-60.
	C42	Rocha, et al. (1998). "Cocaine self-administration in dopamine-transporter knockout mice." <i>Nat Neurosci</i> 1(2): 132-7.
	C43	Romano, et al. (1988). "Chromosomal assignments of human type I and type II cytokeratin genes to different chromosomes." <i>Cytogenet Cell Genet</i> 48(3): 148-51.
	C44	Rugg, et al. (1995). "A mutation in the mucosal keratin K4 is associated with oral white sponge nevus." <i>Nat Genet</i> 11(4): 450-2.
	C45	Sakano, et al. (1994). "Molecular cloning of a novel non-receptor tyrosine kinase, HYL (hematopoietic consensus tyrosine-lacking kinase)." <i>Oncogene</i> 9(4): 1155-61.
	C46	Schaller, et al. (1990). "[Differentiation behavior of human vaginal epithelium exemplified by keratin expression]." <i>Geburtshilfe Frauenheilkd</i> 50(5): 397-402. (English abstract)
BF	C47	Stryker and Zahs (1983). "On and off sublaminae in the lateral geniculate nucleus of the ferret." <i>J Neurosci</i> 3(10): 1943-51.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
BF	C48	SWALL (SPTR) Accession Number: 035949 (1-MAR-2002).
/	C49	Terrinoni, et al. (2000). "A glutamine insertion in the 1A alpha helical domain of the keratin 4 gene in a familial case of white sponge nevus." <i>J Invest Dermatol</i> 114(2): 388-91.
/	C50	Wagener, et al. (1998). "Genomic organisation, alternative splicing and primary structure of human matrilin-4." <i>FEBS Lett</i> 438(3): 165-70.
/	C51	Wootton and Federhen (1996). "Analysis of compositionally biased regions in sequence databases." <i>Methods Enzymol</i> 266: 554-71.
/	C52	Zhao, et al. (2001). "Effects of the serotonin receptor antagonist cyproheptadine on the activity and pharmacokinetics of 5,6-dimethylxanthenone-4-acetic acid (DMXAA)." <i>Cancer Chemother Pharmacol</i> 47(6): 491-7.
BF	C53	Zrihan-Licht, et al. (1997). "Association of csk-homologous kinase (CHK) (formerly MATK) with HER-2/ErbB-2 in breast cancer cells." <i>J Biol Chem</i> 272(3): 1856-63.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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